

HYDRA 7in. x 26 lb/ft L-80 Flush Joint



Pipe Body

Nominal OD	7.000	inches
Nominal Weight	26.00	lb/ft
Wall Thickness	0.362	inches
Plain End Weight	25.69	lb/ft
Standard Drift	6.151	inches
Nominal ID	6.276	inches
Grade	L-80	
Min Yield	80,000	lb/in ²
Min Tensile	95,000	lb/in ²
Critical Section Area	7.549	in ²
Pipe Body Yield Strength	604	kips
Min Internal Yield Pressure	7,240	psi
Collapse Pressure	5,410	psi

Connection

Connection OD	7.000	inches
Make Up Loss	3.950	inches
Critical Section Area	4.529	in ²
Internal Pressure Rating	5,790	psi
External Pressure Rating	5,410	psi
Tension Efficiency	60%	
Connection Strength	362	kips
Compression Efficiency	362	kips
Uniaxial Bend Rating	33	° / 100 ft
Reference Depth	9,404	Ft.
Optimal Make Up Torque	9,127	ft-lbs
Min	7,218	ft-lbs
Max	11,036	ft-lbs

v1.0

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The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, buoyancy or other load considerations.



Torque Data Sheet - HYDRA

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Min Make Up Torque	7,218	ft-lbs	Nom Shoulder Torque	1,200	ft-lbs
Max Make Up Torque	11,036	ft-lbs	Max Operating	17,455	ft-lbs
Optimum Torque	9,127	ft-lbs	Yield	21,818	ft-lbs

